D. Michael Johns, Ph.D.

Dr. Johns received a B.S. in Biology from The Citadel, an M.S. in Zoology and a Ph.D. in Oceanography from the University of South Carolina, and an M.B.A. from the University of Rhode Island. He is a Partner in Windward Environmental LLC, located in Seattle, Washington.

Dr. Johns is an aquatic scientist specializing in aquatic ecological risk assessments, particularly those associated with contaminated sediment. The emphasis of his 25 years of professional experience has been in the effects of toxic pollutants on aquatic organisms. His study of the effects of contaminated sediment includes management and technical oversight of numerous studies in coastal and inland aquatic sites in North America and Australia. These studies have included comprehensive assessments of sediment quality and toxicity, and assessments of factors contributing to observed toxicity employing novel investigative techniques.

He participated as a principal Investigator in the joint EPA/ACOE Field Verifications Program, which was one of the first comprehensive programs to assess the impacts of contaminated sediment on aquatic species, and one of the first applications of ecological risk assessment to contaminated sediments. Dr. Johns is responsible for the management of NRDAs, RI/FSs, and other large multi-task, multidisciplinary environmental investigations, including the Lower Duwamish Waterway RI/FS, the ecological risk assessment at the Portland Harbor Superfund Site, the East Waterway RI/FS, the Grand Calumet River NRDA, Indiana; the Commencement Bay Phase I NRDA, Tacoma, WA, and two Supplementary Remedial Investigations at the Harbor Island Superfund site in Seattle. Dr. Johns has served in an advisory capacity as a technical expert in the regulatory arena. He has provided technical support for litigation for numerous clients at sites including abandoned and active mine sites, petrochemical facilities, heavy industrial sites, and ports.

Dr. Johns is a recognized expert in the use of bioassessment techniques to evaluate sediment contamination. He has been responsible for the development of several bioassays, including long-term toxicity tests designed to determine the effects of contaminated sediment on the growth and reproductive success of marine benthic species.